

Name: _____

Date: _____

FOIL and Factor solution (version 120)

FOIL the expressions shown below:

1. $(x - 7)(x - 4)$

$$x^2 - 11x + 28$$

2. $(x - 8)(x - 6)$

$$x^2 - 14x + 48$$

3. $(x - 8)(x + 8)$

$$x^2 - 64$$

4. $(x + 3)(x + 4)$

$$x^2 + 7x + 12$$

5. $(x + 2)(x - 7)$

$$x^2 - 5x - 14$$

Factor the expressions shown below:

6. $x^2 + 4x + 3$

$$(x + 1)(x + 3)$$

7. $x^2 - 12x + 32$

$$(x - 8)(x - 4)$$

8. $x^2 - 5x - 24$

$$(x + 3)(x - 8)$$

9. $x^2 + 2x + 1$

$$(x + 1)(x + 1)$$

10. $x^2 - 2x - 3$

$$(x + 1)(x - 3)$$